

Amendments to the Claims:

1. (original) Device for determining a state of ageing of an exhaust-gas catalytic converter arranged in an exhaust pipe of an internal combustion engine, having an oxygen sensor which is arranged in the exhaust pipe and is assigned to the exhaust-gas catalytic converter, the oxygen sensor having an oxygen-sensitive region for measuring an oxygen partial pressure in the exhaust gas and being connected to an electronic control unit, wherein the oxygen sensor has a temperature-sensitive region and can be actuated by the control unit in such a manner that at least one of a temperature measurement and an oxygen partial pressure measurement can be carried out.

2. (original) Device according to Claim 1, wherein the temperature-sensitive region of the oxygen sensor is formed by the oxygen-sensitive region and is a solid electrolyte.

3. (original) Device according to Claim 1, wherein the temperature-sensitive region of the oxygen sensor is a heating conductor structure.

4. (original) Device according to Claim 1, wherein a temperature probe is provided in the exhaust pipe, and the temperature probe and the oxygen sensor are arranged in such a manner in the exhaust pipe that at least a partial

region of the exhaust-gas catalytic converter is located between the oxygen sensor and the temperature probe.

5. (original) Device according to Claim 2, wherein a temperature probe is provided in the exhaust pipe, and the temperature probe and the oxygen sensor are arranged in such a manner in the exhaust pipe that at least a partial region of the exhaust-gas catalytic converter is located between the oxygen sensor and the temperature probe.

6. (original) Device according to Claim 3, wherein a temperature probe is provided in the exhaust pipe, and the temperature probe and the oxygen sensor are arranged in such a manner in the exhaust pipe that at least a partial region of the exhaust-gas catalytic converter is located between the oxygen sensor and the temperature probe.

7. (original) Device according to Claim 1, wherein the oxygen sensor is arranged in one of the exhaust-gas catalytic converter and the exhaust pipe downstream of the exhaust-gas catalytic converter, and a second oxygen sensor is arranged in the exhaust pipe upstream of the exhaust-gas catalytic converter.

8. (original) Device according to Claim 2, wherein the oxygen sensor is arranged in one of the exhaust-gas catalytic converter and the exhaust pipe

downstream of the exhaust-gas catalytic converter, and a second oxygen sensor is arranged in the exhaust pipe upstream of the exhaust-gas catalytic converter.

9. (original) Device according to Claim 3, wherein the oxygen sensor is arranged in one of the exhaust-gas catalytic converter and the exhaust pipe downstream of the exhaust-gas catalytic converter, and a second oxygen sensor is arranged in the exhaust pipe upstream of the exhaust-gas catalytic converter.

10. (original) Device according to Claim 4, wherein the oxygen sensor is arranged in one of the exhaust-gas catalytic converter and the exhaust pipe downstream of the exhaust-gas catalytic converter, and a second oxygen sensor is arranged in the exhaust pipe upstream of the exhaust-gas catalytic converter.

11-28. (canceled)

29. (original) An apparatus for determining a state of ageing of an exhaust-gas catalytic converter arranged in an exhaust pipe of an internal combustion engine, comprising:

an oxygen sensor disposed in the exhaust pipe, the oxygen sensor having an oxygen-sensitive region for detecting an oxygen partial pressure in the exhaust gas and a temperature-sensitive region for detecting a temperature of the exhaust gas; and

a control unit adapted to receive signals from the oxygen sensor corresponding to a detected oxygen partial pressure and a detected exhaust gas temperature,

wherein the control unit determines at least one of the exhaust gas temperature and the oxygen partial pressure from at least one of the oxygen sensor signals.

30. (original) The apparatus of claim 29, wherein the temperature-sensitive region and the oxygen-sensitive region are formed from a single region of a solid electrolyte.

31. (original) The apparatus of claim 29, wherein the temperature-sensitive region is a heating conductor structure.

32. (original) The apparatus of claim 29, further comprising:
a temperature probe provided in the exhaust pipe,
wherein at least a partial region of the catalytic converter is located between the oxygen sensor and the temperature probe.

33. (original) The apparatus of claim 30, further comprising:
a temperature probe provided in the exhaust pipe,
wherein at least a partial region of the catalytic converter is located between the oxygen sensor and the temperature probe.

34. (original) The apparatus of claim 31, further comprising:
a temperature probe provided in the exhaust pipe,
wherein at least a partial region of the catalytic converter is located
between the oxygen sensor and the temperature probe.

35. (original) The apparatus of claim 29, further comprising:
a second oxygen sensor disposed in the exhaust pipe upstream of the
catalytic converter,
wherein the first oxygen sensor is disposed in one of the catalytic
converter and the exhaust pipe downstream of the catalytic converter.

36. (original) The apparatus of claim 30, further comprising:
a second oxygen sensor disposed in the exhaust pipe upstream of the
catalytic converter,
wherein the first oxygen sensor is disposed in one of the catalytic
converter and the exhaust pipe downstream of the catalytic converter.

37. (original) The apparatus of claim 31, further comprising:
a second oxygen sensor disposed in the exhaust pipe upstream of the
catalytic converter,
wherein the first oxygen sensor is disposed in one of the catalytic
converter and the exhaust pipe downstream of the catalytic converter.

38. (original) The apparatus of claim 32, further comprising:

a second oxygen sensor disposed in the exhaust pipe upstream of the
catalytic converter,

wherein the first oxygen sensor is disposed in one of the catalytic
converter and the exhaust pipe downstream of the catalytic converter.

39-56. (canceled)